HANDBOOK OF PHONOLOGICAL DATA FROM A SAMPLE OF THE WORLD'S LANGUAGES

A Report of the Stanford Phonology Archive

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	005 Shilha	005 Shilha	005 Shilha
		17 s-tense-long ⁰³	- 103
005	01 b [b-unreleased] ⁶⁰ (free)	18 s-pharyngealized ⁰⁵	36 103 [l-syllabic] ²¹ 72
	[b-half-voice] ⁶¹	19 z ⁰³	37 l-tense-long ⁰³ 22
05	02 b-tense-long	20 z-tense-long ⁰³	38 l-pharyngealized ²⁵ [l-pharyngealized-syllabic] ⁷⁶
05	03 f03 09	21 z-pharyngealized ⁰⁵	
	[t-unreleased] ⁶³ 64 (allo,free)	22 s-hacek ¹⁴	39 r-trill ²⁶ Ir-approximantl ²⁷ 77 Ir-trill-syllabicl ²⁸ 72
05	04 t-tense-long ⁰³	23 s-hacek-tense-long ¹⁴	
			40 r-trill-tense-long ²²
05	05 t-pharyngealized ⁰⁵	24 z-hacek ¹⁴	
	[t-unreleased-pharyngealized]		41 r-trill-pharyngealized
	•	(allo, free)	42 h37 42 43
05	06 q ₀₃	25 z-hacek-tense-long ¹⁴	42 11-1 1-
0.5	[d-unreleased] 60 63	LJ & Haber Tellae Tolla	43 pharyngeal-voiceless-tense-lo
	to all capabas	26 x	ns
05	07 d-tense-long ⁰³	[x-palatalized] 68	
		[x-labialized] 34 70	
)5	08 d-pharyngealized ⁰⁵	(free)	
005	09 k ⁰⁹	27 x-tense-long	•
	[k-palatalized] 10 68	[x-tense-long-labialized] 70	
	[k-labialized] ⁶⁹ 70	(free)	51 i
	(free)		[iota] 44 78
	A. I. J	28 gamma	[iota-bar]44 79
005	10 k-tense-long [k-tense-long-labialized] 70	[gamma-palatalized] ⁶⁸ [gamma-labialized] ⁷⁰	li/yodl ⁸⁰ (free):
	(free)	(free)	(Tree)
	(Tree)	(11'66)	53 a
05	11 k-pharyngealized	29 gamma-tense-long	[ash] 45 81
	[k-labialized-pharyngealized]		(allo,free)
	70	7	0 [epsilon]45 82
	(free)	(free)	[alpha]46 83
	12 g ³³	70	[a-fronted] ⁸⁴
)5	[g-labialized] ⁷⁰	30 pharyngeal-voiceless	54 u
	(free)	31 pharyngeal-voice ³⁵	[upsilon] 45 85
	(11 66)	or pharyngear-voice	1 ol 45 86
05	13 g-tense-long	32 m	[u/w] 87
	[g-tense-long-labialized] ⁷⁰	[m-syllabic] ²¹ 72	(allo,free)
	(free)		h7 00
	a, eik	33 m-tense-long ²²	55 schwa ⁴⁷ ⁸⁸
5	14 f ¹⁴	34 n	(transitional)
15	15 f-tense-long ¹⁴	In-sy <u>llabic</u> 21 72 74	56 yod ³⁶
	15 1 tense rong	I engl 75	50 you
)5	16 s ⁰³	* W11@#	57 μ ³⁶
-		35 n-tense-long ²²	-· ··

- 005 \$a Shilha \$b Agadir \$d Berber \$e SW Morocco \$f 4 million \$g Merritt Ruhlen \$g Jim Lorentz (review)
- · \$a Applegate, Joseph R. \$b 1958 \$c An Outline of the Structure of Shilha \$f (Program in 005 Oriental Languages, No. 11) \$g New York: ACLS \$q informants \$r unknown
- 005 \$a INTONATION \$A Applegate sets up two intonation patterns, one a falling tone on the last vowel of an utterance, the other high tone on the last two vowels of an utterance. No meaning is given. (p.6)
- 005 \$a LONG AND TENSE CONSONANTS \$A There is a large set of "fortis" consonants in Shilha which are distinguished by "increased tension" and a "lengthening of the period between closure and release" as well as "increased aspiration." (p.6) Spectrographic analysis showed that the period between closure and release was approximately doubled for fortis consonants. (p.13) It is not really clear whether these consonants should be considered primarily long or primarily tense and so these features are considered to be of equal weight and the consonants are

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 VOLUME 1 -- SEGMENT INVENTORIES, GENERAL COMMENTS, FOOTNOTES Shilbs
 - \$A The values for [r-approximant] are inferred from a symbol. It might actually be "fricative," cf. Block ε Trager's (p.26) interpretation of this symbol.
 - one 28 \$A "The syllabic quality of [r-trill-syllabic] is due to [schwa] which always occurs with it. This [schwa] sometimes seems to be whispered and may be overshadowed by the trill." (p.4)
 - 005 33 \$A /g/ "does not occur frequently." (p.2)
 - *A "The labial release [of [x-labialized]] is not so clear as in [k-labialized] or [g-labialized]." (p.3) "Often the release is not detectable, so that this sound appears to vary freely with [x]." (p.3)
 - 005 35 \$A /pharyngeal-voice/ "apparently occurs only when preceded or followed by a vowel." (p.3)
 - 54 /yod/ and /w/ are treated by Applegate as allophones of the vowels, occurring before other vowels. He says there are two variants of each, a glide, and a very short vowel followed by a homorganic glide. (p.4-5)
 - 005 37 \$A /h/ "does not occur frequently." (p.3)
 - 005 42 \$A Segment values for /h/ inferred from symbol.
 - 005 43 \$A In consonant clusters, /h/ patterns with voiced rather than voiceless obstruents.
 - \$A [iota, iota-bar] "may be lowered slightly so that...[they] approach...the upper mid vowels." (p.4)
 - 005 45 \$A Height value inferred from symbol for Eash, epsilon, upsilon, ol.
 - 005 46 \$A Segment values for [alpha] inferred from symbol.
 - 005 47 \$A Tongue height and position of /schwa/ vary according to preceding consonant.
 - 005 60 \$A /b/, /t-pharyngealized/, /d/ are unreleased before word boundary.
 - 005 61 \$A /b/ is half-voiced before voiceless consonants and after /s/, before vowels.
 - 005 63 \$A Dental stops are unreleased before masals.
 - \$4 [t-unreleased] "may also occur as an alternant of [t] before other consonants in a long sequence of rapid speech." (p.1)
 - 005 ⁶⁸ \$A Velar fricatives and voiceless velar stops are palatalized before /i/.
 - 005 69 \$A [k-labialized] may vary freely with [k].
 - 005 70 \$A Velars may be labialized before /u/.
 - $^{9.5}$ \$A /z-hacek/ is realized as [d/z-hacek] in word initial position and optionally in word final position after /n/.
 - 005 72 \$A Sonorants become syllabic when they occur between a word boundary and a consonant.
 - 005 74 \$A /n/ becomes syllabic between consonants.
- \$\frac{1}{2}\$ \$\
- 005 76 \$A /l-pharyngealized/ is syllabic after consonants.
- \$4 /r-trill/ is realized as [r-approximant] before fricatives and masals, and also before word boundary if there is a drop in tone.
- 005 78 \$A /i/ is lowered to [iotal before two consonants or between consonants.
- \$A High or lower-high front vowels are realized as [iota-bar] before velar fricatives, /h/, or a pharyngealized consonant. (It is possible that an /i/ which follows any of the above conditioning consonants is also lowered and backed to [iota-bar], however the source is unclear on this point. [JL])
- \$4 /i/ may be realized as [i/yod] before a morpheme boundary followed by a consonant. (There is also an example of this variant occurring after a vowel, before word boundary. (p.7))
- \$4 /a/ is realized as [ash] before a non-pharyngeal consonant, but varies with [a] after word boundary, before non-pharyngeal consonants.

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VOLUME 1 -- SEGMENT INVENTORIES, GENERAL COMMENTS, FOOTNOTES Shill

- 005 82 \$A [ash] is raised to [epsilon] before tense consonants or a consonant cluster.
- 005 83 \$A /a/ is backed to [alpha] when it occurs in the same syllable as a pharyngeal consonant.
- 005 84 \$A /a/ is realized as [a-fronted] before vowels.
- 005 85 \$A /u/ is realized as [upsilon] between consonants.
- 005 86 \$A /u/ and [upsilon] are lowered to [o] if they occur in the same syllable with a pharyngealized consonant.
- 005 ⁸⁷ \$A Applegate gives [u/w] as a variant of /u/ but does not say where it occurs. (But cf. [i/yod].)
- 005 88 \$Α /schwa/ is inserted between any two consonants which may not form a consonant cluster, for example, between stops.